

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions of claims in the application.

1. (Currently Amended) A long weather strip, comprising;

an attach portion attachable along a window frame for vehicle; and

a lip portion for sealing a glass window pane for vehicle, the lip portion protruding from the attach portion toward the glass window pane to be in contact therewith, the glass window pane movable within the window frame;

wherein the lip portion is resiliently pressed onto the surface of the glass window pane;

the lip portion includes a rough surface portion made of a molding material comprising the following (a) to (c):

(a) olefin thermoplastic elastomer in which a content ratio of polyolefin resin as a hard segment is 50 mass% or more as a whole,

(b) solid particles having an average particle diameter in a range from 1 to 100 μ m, and

(c) liquid lubricant at room temperatures, the rough surface portion provided at least in a part of the lip portion that is pressed onto a face of the glass window pane; and

the rough surface portion has a surface that is formed in a corrugation state, and is formed with a number of small projections with the solid particles on a corrugated face of the rough surface portion,

further comprising a long resin main portion made of a molding material containing olefin thermoplastic elastomer having a lower hardness than the olefin thermoplastic elastomer

of (a), wherein the rough surface portion is provided at least in a part on the surface of the resin main portion, and

a groove for guiding the glass window pane in contact with a peripheral edge thereof, wherein the groove includes a base portion making up a bottom of the groove, and side wall portions rising from both ends of the base portion in the width direction and making up the side walls of the groove;

wherein the resin main portion includes the base portion, the side wall portions, and the lip portions integrally, and

wherein the rough surface portion is further provided on at least one of the surfaces inside the groove in the side wall portion and a back face of the lip portion opposite the surface.

2. (Original) The weather strip according to claim 1, wherein the olefin thermoplastic elastomer contains a hard segment made of polypropylene resin, and a soft segment made of ethylene-propylene-diene copolymer.

3. (Original) The weather strip according to claim 1, wherein the lubricant includes silicone oil.

4. (Original) The weather strip according to claim 1, wherein the solid particle is a material not melted at the time of molding the rough surface portion.

5. (Currently Amended) The weather strip according to ~~claims~~ claim 1, wherein the solid particle

includes at least one kind of spherical particle selected from a group consisting of silicone resin particle, glass bead, glass balloon, silica particle, polymethyl methacrylate resin particle, and polyether-ether-ketone resin particle.

6. (Original) The weather strip according to claim 1, wherein the rough surface portion contains 1 to 20 mass parts of the solid particles and 1 to 20 mass parts of the lubricant to 100 mass parts of the olefin thermoplastic elastomer.

7. (Cancelled)

8. (Currently Amended) The weather strip according to claim [[7]] 1,

wherein the resin main portion and the rough surface portion have miscibility, and are welded at a boundary therebetween.

9. (Currently Amended) The weather strip according to claim [[7]] 1,

wherein the rough surface portion of the lip portion is formed in a layer, being from 10 to 100 μm in an average thickness.

10. (Currently Amended) The weather strip according to claim [[7]] 1,

wherein the rough surface portion of the lip portion has a corrugated face that is formed with a plurality of line-like protruded portions extending longitudinally and being spaced at an

interval in the width direction, the small projections being formed on the surface of the protruded portion.

11. (Currently Amended) The weather strip according to claim [[7]] 1,

wherein the rough surface portion of the lip portion is formed like a longitudinally extending line, and a plurality of line rough surface portions of the lip portion are spaced at an interval in the width direction.

12. (Cancelled)

13. (Currently Amended) The weather strip according to claim [[12]] 1, wherein the rough surface portion is further provided on a surface inside the groove in the base portion.

14-15. (Cancelled)

16. (Withdrawn) A weather strip assembly for vehicle comprising:

at least two long weather strips for vehicle mounted along a window frame for vehicle and having a groove for guiding a glass window pane in contact with a peripheral edge of the glass window pane movable within the window frame; and

a joint portion for connecting the longitudinal terminals of the weather strips;

wherein each of the weather strips comprises a base portion making up a bottom of the groove, the side wall portions rising from both ends of the base portion in the width direction and making up the side walls of the groove, and the lip portions overhanging inside the groove from the side wall portions and resiliently pressed onto a surface of the glass window pane;

at least one of the weather strips having a rough surface 20 portion made of a molding material containing the following (a) to (c);

(a) olefin thermoplastic elastomer in which a content ratio of polyolefin resin as a hard segment is 50 mass% or more as a whole,

(b) solid particles having an average particle diameter in a range from 1 to 100 μ m, and

(c) liquid lubricant at room temperatures, the rough surface portion is provided in a part of the lip portion pressed onto the surface of the glass window pane; and

the rough surface portion has a surface formed in a corrugation state, and is formed with a number of small projections with the solid particles on a corrugated face of the rough surface portion.

17. (Withdrawn) The weather strip assembly according to claim 16,

wherein the at least one of the weather strips is a glass run channel further including a rough surface portion in at least one part of

(a) a surface inside the groove in the base position,

(b) a surface inside the groove in the side wall portion, and

(c) a back face of the lip portion opposed to the surface inside the groove in the side wall portion.

18. (Withdrawn) A method for manufacturing a long weather strip for vehicle, wherein the weather strip includes: an attach portion attachable along a window frame for vehicle, and a lip portion for sealing a glass window pane for vehicle, the lip portion protruding from the attach portion toward the glass window pane to be in contact therewith, the glass window pane movable within the window frame; and the lip portion has a rough surface portion provided at least in a part of the lip portion pressed onto a face of the glass window pane; the method comprising:

heating and melting a molding material for formation of the rough surface portion, the molding material containing the following (a) to (c);

(a) olefin thermoplastic elastomer in which a content ratio of polyolefin resin as hard segment is 50 mass% or more as a whole,

(b) solid particles having an average particle diameter in a range from 1 to 100 μ m, and

(c) liquid lubricant at room temperatures; and

extruding the melted molding material from a resin extrusion mold, thereby forming the rough surface portion having a surface formed in a corrugation state and formed with a number of small projections with the solid particles on a corrugated face thereof.

19. (Withdrawn) The manufacturing method according to claim 18,

wherein the rough surface portion is formed at least in a part on the surface of the long resin main portion;

the step of heating and melting includes heating and melting the molding material for formation of the rough surface portion and a molding material for formation of the resin main portion; and

the step of extruding includes extruding the molten molding materials from the resin extrusion mold at the same time, thereby forming the resin main portion and the rough surface portion.

20. (Withdrawn) The manufacturing method according to claim 18,

wherein the extruding step includes extruding the molten molding material for formation of the rough surface together with a long preformed main portion from the resin extrusion mold, thereby forming the rough surface portion at least in a part on the surface of the long preformed main portion.